# **CTF Topic: DNS**

# **1. Introduction**

Domain Name System; DNS is the protocol that translates human understandable web addresses into internet understandable numbers to enable equal communication between devices on the Internet. Many people use domain names as the way to get to the information they are interested in, for example, nytimes. com or espn. com. IP’s are used as mediums through which web browsers communicate with each other. They make browsers load internet resources by translating the domain names to IP addresses.

Every machine that is involved in the use of the Internet is assigned a specific address known as IP address which other machines employ in searching for the device.

DNS servers provide the benefit of eliminating human recollection of such IP addresses as 192. 168. 1. 1 (in IPv4), or more complex newer alphanumeric IP addresses such as 2400:This situation describes recommended link properties described in RFC 5095, including cb00:2048:1::c629:d7a2 for IPv6.

**Now research and find the answers to the following flags**

# **Question**

**Flag 1 :** What is the DNS server of Google

**Answer :** 8.8.8.8

**Flag 2 :** What is the DNS server of Cloud Flare

**Answer :** 1.1.1.1